CLAIMS

What is claimed is:

1. A protective media including:
a porous dielectric carrier;
an active agent incorporated in said porous dielectric carrier; and
an electrostatic charge across at least a portion of said porous dielectric carrier.

2. The protective media of claim 1 in which said porous dielectric carrier is a non-woven material.

3. The protective media of claim 1 in which said porous dielectric carrier is a fiber based material having a fibrous matrix structure.

4. The protective media of claim 1 in which said porous dielectric carrier is a sponge like material have an open cell matrix structure.

5. The protective media of claim 2 in which said non-woven material is a three dimensional structure configured to provide a matrix capable of physically entrapping said active agent.

6. The protective media of claim 5 in which said active agent consists of particles of a size suitable for entrapment by said matrix.

7. The protective media of claim 1 in which said active agent is chosen from the group consisting of antimicrobials and antitoxins.

8. The protective media of claim 7 in which said porous dielectric carrier is a non-woven material.

9. The protective media of claim 7 in which said porous dielectric carrier is a fiber based material having a fibrous matrix structure.

10. The protective media of claim 7 in which said porous dielectric carrier is a sponge like material have an open cell matrix structure.

11. The protective media of claim 8 in which said non-woven material is a three dimensional structure configured to provide a matrix capable of physically entrapping said active agent.

12. The protective media of claim 11 in which said active agent consists of particles of a size suitable for entrapment by said matrix.

13. The protective media of claim 1 in which said active agent is chosen from the group consisting of metals and chemical compounds.

14. The protective media of claim 13 in which said porous dielectric carrier is a non-woven material.

15. The protective media of claim 13 in which said porous dielectric carrier is a fiber based material having a fibrous matrix structure.

16. The protective media of claim 13 in which said porous dielectric carrier is a sponge like material have an open cell matrix structure.

17. The protective media of claim 14 in which said non-woven material is a three dimensional structure configured to provide a matrix capable of physically entrapping said active agent.

18. The protective media of claim 17 in which said active agent consists of particles of a size suitable for entrapment by said matrix.

19. The protective media of claim 1 in which said active agent is an iodinated resin.

20. The protective media of claim 19 in which said porous dielectric carrier is a non-woven material.

21. The protective media of claim 19 in which said porous dielectric carrier is a fiber based material having a fibrous matrix structure.

22. The protective media of claim 19 in which said porous dielectric carrier is a sponge like material have an open cell matrix structure.

23. The protective media of claim 20 in which said non-woven material is a three dimensional structure configured to provide a matrix capable of physically entrapping said active agent.

24. The protective media of claim 23 in which said active agent consists of particles of a size suitable for entrapment by said matrix.

25. A protective media including:

a first porous dielectric carrier;

a first active agent incorporated in said first porous dielectric carrier;

an electrostatic charge across at least a portion of said first porous dielectric carrier;

a second porous dielectric carrier;

a second active agent incorporated in said second porous dielectric carrier; and

an electrostatic charge across at least a portion of said second porous dielectric carrier.

26. The protective media of claim 25 in which said first active agent and said second active agent are of the same material.

27. The protective media of claim 25 in which an air gap separates said first and said second porous dielectric carriers.

28. The protective media of claim 27 in which said porous dielectric carrier is a non-woven material.

29. The protective media of claim 27 in which said porous dielectric carrier is a fiber based material having a fibrous matrix structure.

30. The protective media of claim 27 in which said porous dielectric carrier is a sponge like material have an open cell matrix structure.

31. The protective media of claim 29 in which said non-woven material is a three dimensional structure configured to provide a matrix capable of physically entrapping said active agent.

32. The protective media of claim 31 in which said active agent consists of particles of a size suitable for entrapment by said matrix.

33. A method of making a non-woven material including:

providing an extruder having an outlet;

providing a collecting web below the outlet of said extruder;

providing a hot melt of extrudable material;

extruding said extrudable material with said extruder to provide a flow of cooling extruded fibers to fall toward said collecting web; and

providing a cloud of an active agent at a location adjacent said outlet of said extruder so that said cloud envelops the cooling fibers while said fibers are still in a quasi-liquid quasi-solid state so that said active agent settles and collects and is intermeshed or entrapped with said fibers on the collecting web forming a media.

34. The method of making a non-woven material as defined in claim 33 also including forming said media into a mesh.

35. The method of making a non-woven material as defined in claim 33 in which said cloud is in a physical state selected from the group consisting of a vapor, a fine dry dust, an atomized particulate and an aerosolized particulate.

36. The method of making a non-woven material as defined in claim 34 also including the step of applying an electric charge across said mesh.

37. A method of making a non-woven material including;

providing an extruder having an outlet;

providing a collecting web below the outlet of said extruder;

providing a reservoir of extrudable material;

extruding said extrudable material with said extruder to provide a flow of extruded fibers to fall toward said collecting web; and

providing a cloud of an active agent at a location adjacent said flow of extruded fibers so that said cloud envelops the fibers while said fibers are falling so that said active agent settles and collects and is intermeshed or entrapped with said fibers on the collecting web forming a media.

38. The method of making a non-woven material as defined in claim 37 also including forming said media into a mesh.

39. The method of making a non-woven material as defined in claim 37 in which said cloud is in a physical state selected from the group consisting of a vapor, a fine dry dust, an atomized particulate and an aerosolized particulate.

40. The method of making a non-woven material as defined in claim 38 also including the step of applying an electric charge across said mesh.